N300 Wireless VDSL2 Modem Router

ZXHN H268N

Product Highlights

- Dual-Stream 802.11n Wi-Fi up to 300Mbps
- Multimode VDSL2 (up to 17a profile)/ADSL2+
- G.Vector+G.INP to maximize data rate of VDSL2
- USB 2.0 for shared storage or 3G/LTE Dongle
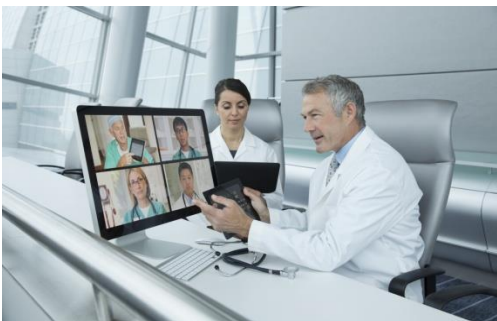- Built-in DLNA Digital Media Server
- Optional external antennas

Overview

ZXHN H268N N300 Wireless VDSL2 modem router provides four Ethernet ports and the wireless user access in compliance with the IEEE802.11b/g/n standard. It can provide the transmission of broadband data and VoIP service , which is suitable for using in a wide range of both residential (in-home) and commercial (offices, apartments, hotels, warehouses) network applications.

Features

Flexible Internet Accessing

High Quality Streaming

Easy Content Sharing

■ Multi-uplink with VDSL2/ADSL2+/GE

Providing VDSL2, ADSL2+ and GE multi-uplink, the H268N can be connected with DSL and FTTH networks. So it can use high-speed VDSL2 for short–range, or use ADSL broadband access for longer-range.

■ 300Mbps Wireless 11n Transmission Performance

Adopting advanced 11n technologies including MIMO and channel bound, the H268N creates a superior wireless performance. With data rates up to 300Mbps, data transmission within the LAN becomes more efficient in high bandwidth applications. In addition, the H268N is fully backward compatible with any IEEE 802.11b/g Wi-Fi certified devices.

■ Comprehensive VoIP Services

The H268N offers VoIP(Voice over IP) service via two FXS ports. The user may have up to two phone numbers, one private one public, when two SIP account are opened.

■ Advanced Content Sharing: DLNA Media Server

The H268N can act as a DLNA Digital Media Server(DMS). Any DLNA Digital Media Player (DMP) connected to the network, could find and play all the media content including video, music and photos on the storage connected to the USB ports on H268N.

■ Mature IPv6 Capability

With supporting IPv4/IPv6 Dual Stack and DS-Lite, the H268N helps operators and end users to achieve a future-proof network with smooth evolution.

■ Quality of Service (QoS)

The QoS features on H268N enable service providers to design QoS policies and prioritize mission-critical services such as IPTV and Internet freely based on their individual service plans. This in turn allows service providers to deliver real multi-play applications to users and increase network efficiency.

■ Robust TR-069 Remote Management

The H268N works with TR-069 standard management specifications, allowing remote management and diagnosis, reducing the manpower needed for on-site maintenance, and increasing CSI (Customer Satisfaction Index). This unique feature not only offers users a true "plug-and-play" experience but also reduces deployment complexity, thereby saving operation and maintenance costs.
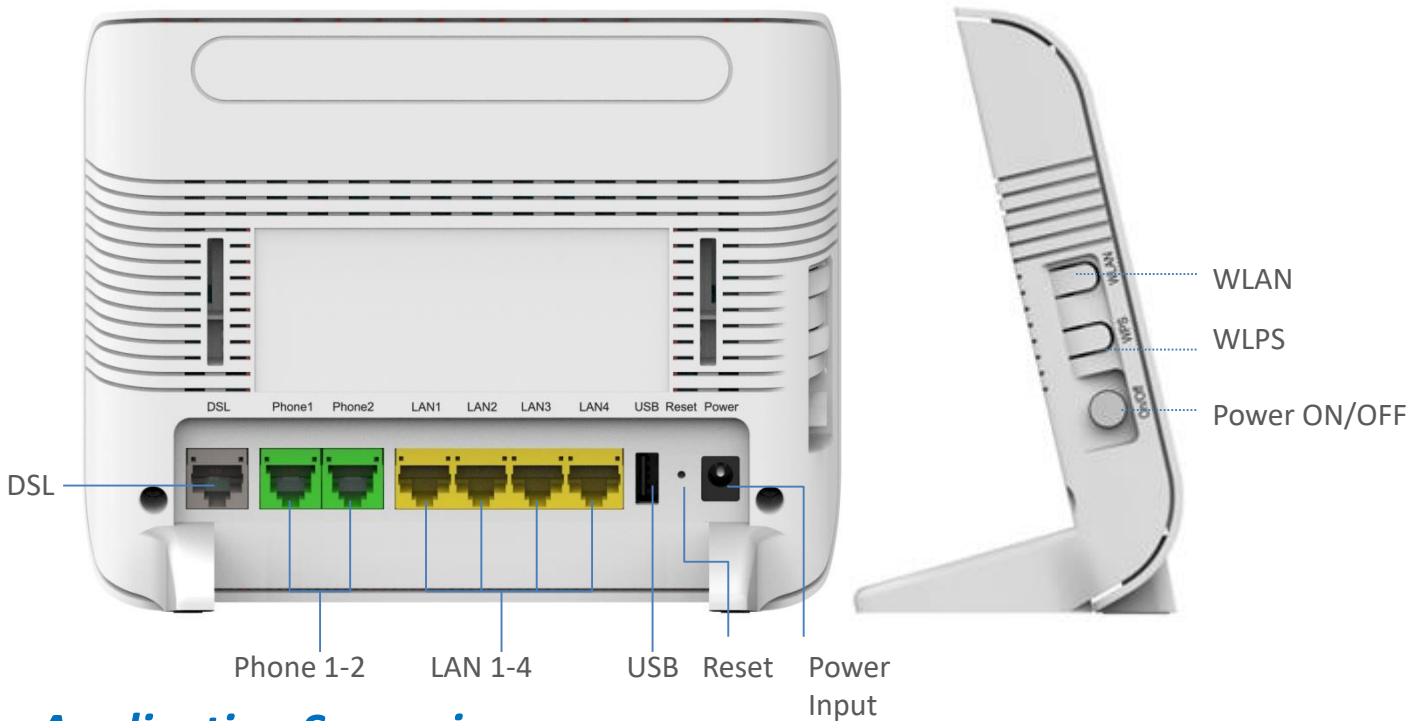
Technical Specifications

Hardware	
Interfaces	• 1 RJ-11 VDSL2/ADSL2+ port • 4 10/100Mbps RJ-45 LAN ports • 2 RJ-11 FXS ports • 1 USB 2.0 port
Buttons	• Power ON/OFF • WPS • Reset • WLAN
LEDs	• Power, Broadband, Internet, LAN1-4, WLAN, WPS, Phone1-2, USB
Antenna	• Internal antennas(Optional external antennas)
VDSL Standards	• G.993.2 VDSL2 (Up to 17a profile) • G.993.5 (G.vectoring) compliance • G.INP • Bandplan: Annex A/B • Dual latency • UPBO/DPBO • Double-end line test(DELT) • RFI Notching • Bit Swap
ADSL Standards	• ANSI T1.413 Issue 2 • G.992.1 (G.dmt), G.992.2 (G.lite) • G.992.3 (ADSL2) • G.992.5 (ADSL2+) • Annex A/B/L/M • ADSL physical connection ATM AAL5 • Supports multiple protocols over • AAL5 (RFC2684/1483)
Wi-Fi	• Frequency: 2.4 GHz • IEEE 802.11b/g/n Wi-Fi @ 2.4GHz(2x2) • WEP/WPA/WPA2 Security • Multiple SSID (up to 4) • Auto channel selection • WMM(Wireless Multimedia), 802.11e
USB	• File/ Printer sharing • DLNA DMS • USB backup/restore configuration • 3G/LTE dongle

Technical Specifications

Software	
Networking	• IPv4/IPv6 Dual Stack • NAT/PAT/ALG • Port mapping/DMZ/Virtual server • UPnP IGD with NAT traversal capability • Static routing/dynamic routing • Dynamic DNS relay • DHCP client/server • IGMP and MLD snooping/proxy
QoS	• Flexible packet classification • Up to eight queues • SP/DWRR/SP+DWRR • Wi-Fi Multimedia (WMM)
Security	• Stateful Packet Inspection (SPI) • Denial of Service (DoS) prevention • Multiple VPN (IPSec, PPTP,L2TP) passthrough • MAC/IP/URL filtering • Black and white list
Management	• TR-069 remote management • Web GUI management • Local built-in diagnostic function • Logs and statistics • Remote upgrade by HTTP

Others	
Electrical Characteristics	• AC adapter: 12 V DC, 1.5 A • Power consumption: 7 Watts
Physical Characteristics	• Net weight: 270 g • Dimensions: 185x156x84 mm
Environmental Characteristics	• Operating temperature: 0 ° C~ 40° C(32° F ~ 104° F) • Humidity: 5% ~ 95% (non-condensing)
Certification	• CE certification • Wi-Fi certification

Note: Not every listed feature will be included in the shipping product. We reserve the right to make changes of technical specifications, housing or design without prior notice.

Connection Diagram

WLAN

WLPS

Power ON/OFF

DSL

Phone 1-2   LAN 1-4   USB   Reset   Power Input

Application Scenario

3G/LTE Mobile Access Network

Internet

Smartphone

Laptop

Tablet

STB

VDSL2/ADSL 2+ WAN port

Telephone

3G/LTE dongle

PC   Printer

Broadband Access	Ethernet	Wi-Fi(2.4GHz)
3G/LTE Access	USB	
	Phoneline	